Revision

on Lessons 1& 2



مراجعة عامة على الدرسين الأول و الثانى فى ورقة واحدة

Lesson 1: Explorer in Action

Mr. Kartik sawhney

1

- Mr. Kartik Sawhney is a National Geographic Explorer.
- He's a computer expert.
- He uses technology to help people of determination.
- He creates applications that provide access to visual content to the blind and visually impaired.

I-Stem platforms

2

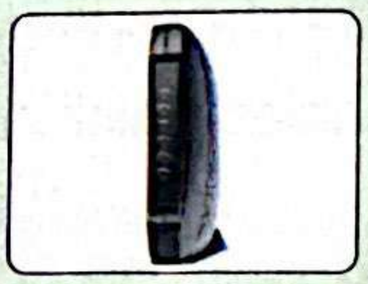
- The I-Stem platform provides software that changes digital texts into a format.
- A person who can't read might upload the text to I-Stem website.
- It includes employment opportunities for people of determination.

Lesson 2: Computer network devices

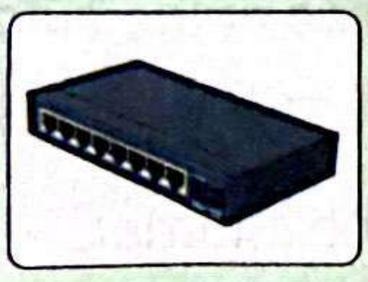
The components of a computer network

1

MODEM



SWITCHES



- Switches are intelligent.

Artificial intelligence (AI)

2

- It is a comprehensive term for computer application that perform complex tasks that simulate the thinking of the humans.
- The machine can give answers to the data provided.
- **AI** works to imitate sounds when provided with the tone of voice of an actual human being.

Scanned with CamScanner

Revision

on Lessons 3 & 4

مراجعة عامة على الدرسين الثالث و الرابع فى ورقة واحدة



Lesson 3: Technology and artificial intelligence (AI)

Augmented reality

1. Augmented reality (AR) combines the real world with a virtual world.
2. Augmented reality can be done through a smartphone camera or a tablet.
3. AR helps students become active participants in learning.

Virtual reality

1. Virtual reality (VR) is a virtual 3-D environment.
2. It allows users to explore and interact with the surroundings.
3. To experience VR, users often wear VR headset that blocks out the real world.

Lesson 4: Evaluating cutting-edge technology

Reliable cutting edge technology

1. Cutting-edge technology is defined as the latest and most advanced version of a service or product.
2. Cutting-edge technology has transformed life in ways that were unimaginable.
3. Artificial intelligence, augmented reality and virtual reality are examples of cutting-edge technology.

User experiences

1. User experiences is how to use the product and interact with it.
2. It is how to evaluate the experience.
3. It is often broken into different areas, and can be positive or negative.

Scanned with CamScanner

Revision
on Lessons 5 & 6



مراجعة عامة على الدرسين الخامس و السادس في ورقة واحدة

Lesson 5: Digital research skills

Database

1
- They're a collection of information which are typically stored in a computer system.
- They can be accessed, for free, through your school.
- You can search for information from magazines and newspapers through them.
- Use a key word search when you search any database.

Library catalogs

2
- It is a database which includes all the items owned by a library.
- It includes recently published books, including e-books with the most recent research about a subject.

Lesson 6: Mobile devices

Types of mobile devices

1
- Smartphones
- Tablets
- E-readers
- Smartphones and tablets can be used to surf the web and check email, similar to PCs.
- Mobile devices have hight quality cameras, speakers, and screen resolution.

How mobile devices can improve the lives of people of determination

2
- It can provide people of determination with educational services at home.
- A speech assistance app can help a non-verbal student participate in a class.
- Assistive software can help people of determination in the workplace to manage time and tasks.

Scanned with CamScanner

Revision

on Lessons 7 & 8



مراجعة عامة على الدرسين السابع و الثامن فى ورقة واحدة

Lesson 7: Operating systems

1 Operating systems

- An operating system is the software that manages a computer's functions.
- It includes accessible devices such as screen readers and magnifiers.
- It runs computer's software and hardware.
- It allows a user to communicate with the computer easily.

2 Cutting-edge Operating systems

- Cutting-edge technologies are other types of operating systems.
- The Robot operating system (Ros) is an open-source software.
- The Ros used for building robot applications.

Scanned with CamScanner

General Exercises

On Lesson 2



▶ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

🔵 ممتاز 🟢 جيد جدا
🟡 جيد 🔴 غير جيد

1 Choose the correct answer from a, b, c or d.

1. 🕮 ..... networks connect without wiring.
   a. Historical b. Imitate c. Wireless d. Complex

2. ..... are groups of devices or things that are connected to each other for a common purpose.
   a. Explorers b. Networks c. Computers d. Keyboard

3. ..... converts the signal from the internet service provider (ISP) into a digital signal.
   a. Port b. Modem c. Router d. Switch

4. 🕮 ..... performs complex tasks that simulate the thinking and performance of the human element.
   a. VR b. AI c. AR d. ICI

5. ..... sends data to a specific device over a network.
   a. Modern b. Switch c. Server d. None of them

6. 🕮 ..... are devices that can be connected to the internet.
   a. Desktop computers b. Laptops
   c. Smart devices d. All of them

7. Wired networks use physical wiring and cables which are plugged into ..... on devices.
   a. ports b. modem c. routers d. switches

8. A ..... is a device that connects a local area network (LAN) to the internet.
   a. modem b. laptop c. router d. server

9. The abbreviation of Artificial intelligence is ..... .
   a. ALT b. IA c. AI d. AR

2 Put (✓) in front of correct sentence and (✗) in front of the wrong one.

1. Computer networks connect computers with each other, to share important information and data. ( )
2. Wireless networks use physical wiring and cables which are plugged into ports on devices. ( )
3. Devices can be connected without wiring (wireless or Wi-Fi). ( )

Scanned with CamScanner

4. A switch is a device that connects a local area network to the internet. ( )
5. Modem converts the signal from the internet service provider (ISP) which transforms into a digital signal that can be read by devices. ( )
6. Switches help to make connections easier and faster. ( )
7. VR works to imitate sounds when provided with the tone of voice of an actual human being. ( )

3 Read and write the name of the device.

1. It's a device that connects a local area network (LAN) to the internet. (.....)
2. It helps to make connections easier and faster. (.....)

4 Read and circle the correct one.

1. (AI – EKB) is a comprehensive term for computer applications that perform (simple – complex) tasks that simulate the thinking and performance of the human element.
2. If you want to make a network, then you need to have a (modem-refrigerator) that connects (local – wide) networks to the internet and you can connect the network in two ways wired and wireless.

5 Read and circle the correct usage.

1. AI :
   - artificial intelligence
   - artificial information
2. Wired network :
   - Uses wireless signals.
   - Uses physical wiring and cables.



قم بتلوين الدائرة باللون المناسب لمستواك.

Scanned with CamScanner

Accumulative Test

On Lessons 1 & 2



اختبار تراكمى على الدرسين الأول والثانى

1 Choose the correct answer from a, b, c or d.

1. 📖 Mr. Kartik Sawhney is a/an ..... at the National Geographic Organization.
   a. ecologist b. biologist c. explorer d. doctor
2. 📖 Mr. Sawhney has been able to create applications that convert ..... into audio frequencies.
   a. sounds b. writings c. graphs d. symbols
3. 📖 The ..... deals with governments, technology universities, to provide services and access to places of those organizations.
   a. I-Stem platform b. Google Chrome
   c. EKB platform d. Internet explorer
4. The ..... converts the signal from the internet service provider (ISP) into a digital signal.
   a. Port b. Modem c. Router d. Switch
5. The ..... is one of the platforms that provides counseling and employment opportunities for people of determination.
   a. facebook b. I-Stem c. EKb d. None of them
6. ..... are devices that can be connected to the internet.
   a. Desktop computers b. Laptops c. Smart devices d. All of them

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. Mr. Sawhney has been able to create applications that convert sound into audio frequencies. ( )
2. 📖 People of determination do not receive support on how to write resumes and prepare for job interviews. ( )
3. Wireless networks use physical wiring and cables which are plugged into holes on devices. ( )
4. 📖 (AI) is a comprehensive term for computer applications that perform complex tasks that simulate the thinking and performance of the human element. ( )

3 Read and write the name of the device.

1. Device that connects local area network to the internet. (.....)
2. A group of devices or things that are connected to each other for a common purpose. (.....)



يمكنك المراجعة باستمرار (تراكمية) من خلال الصفحة السابقة.

Scanned with CamScanner

General Exercises

On Lesson 3



▸ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة

🔵 ممتاز	🟢 جيد جدا
🟡 جيد	🔴 غير جيد

1 Choose the correct answer from a, b, c or d.

1. ..... feel futuristic, but they are already being used in education and everyday life.
   a. Augmented reality b. Virtual reality
   c. Artificial intelligence d. all of them

2. 📖 ..... combines the real world with a virtual world by adding images using computers.
   a. Augmented reality b. VR
   c. Artificial intelligence d. both (a) and (b)

3. This can be done through a smartphone camera or a tablet and will show a ..... of what looks like the real world.
   a. 3-D model b. 2-D model c. 4-D model d. 5-D model

4. 📖 ..... helps students become active participants in learning and makes learning more memorable.
   a. RV b. AR c. VR d. AI

5. ..... is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
   a. RV b. AR c. VR d. AI

6. 📖 ..... is used to unlock your phone with facial recognition.
   a. AI b. AR c. VR d. 3D

7. VR Users often wear a ..... that blocks out the real world and provides views that immerse the user in another world.
   a. headphone b. headset c. VR headset d. none of them

8. 📖 Augmented reality can be done through a ..... .
   a. tablet b. computer c. hardware d. disk

9. In the classroom, ... can take you to a world where insects and atoms are bigger than you, so that you can study them closely.
   a. Augmented reality b. Virtual Reality
   c. VR d. both (b) and (c)

10. A/An ..... help disabled individuals through using virtual assistants to accomplish everyday tasks.
    a. augmented reality b. virtual reality
    c. artificial intelligence d. none of them

Scanned with CamScanner

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. Using AR, students in a math class can point their smartphone camera at a flat surface and project a 3-D image like a cube or cylinder onto the surface. ( )
2. 🕮 Using windows helps students become active participants in learning and makes learning more memorable. ( )
3. 🕮 Users often wear a normal headphone that blocks out the real world and provides views that immerse the user in another world. ( )
4. Artificial intelligence (AI) is the ability of the computer to think and learn. ( )
5. Futuristic technologies cannot improve the lives of people of determination. ( )
6. From the uses of AR, someone with a visual impaired can see their family members up close. ( )
7. An AR app shows you how new furniture will look in your house. ( )
8. Disabled individuals can use virtual assistants to make phone calls. ( )

3 Read and write the name of app or tool.

1. Abbreviation of AI (.....)
2. Abbreviation of VR (.....)
3. Abbreviation of AR (.....)
4. It is the ability of computer to think, learn and deduce. (.....)
5. It blocks out the real world and provides views that immerse the user in another world. (.....)

4 Read and circle the correct one.

- From examples of **(AR – GPS)**, students in a math class can point their smartphone camera at a flat surface and project a **(5-D image – 3-D image)** like a cube or cylinder onto the surface, as if the figure is in front.

قم بتلوين الدائرة باللون المناسب لمستواك.



Scanned with CamScanner

General Exercises

On Lesson 4



ممتاز جيد جدا
جيد غير جيد

▶ If you got you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

1 Choose the correct answer from a, b, c or d.

1. ..... is the latest and most advanced version of a service or product.
   a. Augmented reality
   b. Cutting-edge technology
   c. Artificial intelligence
   d. Assistive technology

2. 📖 ..... helps people of determination, for example, screen magnification software and hearing aids.
   a. Augmented reality
   b. Cutting-edge technology
   c. Artificial intelligence
   d. Assistive technology

3. Screen magnification software, hearing aids, and programs that turn speech to text and text to speech are examples of ..... .
   a. augmented reality
   b. cutting-edge technology
   c. assistive technology
   d. artificial intelligence

4. 📖 Artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) are examples of ..... .
   a. augmented reality
   b. cutting-edge technology
   c. artificial intelligence
   d. assistive technology

5. 📖 Smart gloves that empower deaf people to translate their signs in real time to spoken or text output considered ..... .
   a. augmented reality
   b. cutting-edge technology
   c. assistive technology
   d. artificial intelligence

6. 📖 ..... describes how people use the product and interact with it, and how they evaluate their experiences.
   a. User experiences
   b. Meeting needs
   c. Both of them
   d. None of them

7. ..... categories are ways of technology evaluation.
   a. Accessible
   b. Desirable
   c. Findable
   d. all of them

Scanned with CamScanner

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. Artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) are examples of assistive technology. ( )
2. 🕮 Cutting-edge technology is the latest and most advanced version of a service or product. ( )
3. Cutting-edge technology helps people of determination. ( )
4. User experiences are ways of technology evaluation. ( )
5. Meeting needs improve someone's independence and consquently inclusion in society. ( )

3 🕮 Read and write the categories.

(Findable – Credible – Usable – Accessible – Valuable)	
Does this product improve my life or help me learn?	.....
If there is an issue with the project or service, can I find the solution?	.....
Are the company and its products trustworthy?	.....
Is it easy to use?	.....
Is it accessible for people of determination?	.....

4 Read and circle the correct usage.

1. VR :
   - virtual reality
   - augmented reality
2. AI :
   - artificial intelligence
   - artificial information
3. Meeting needs :
   - It is interlinked with the development of products and services.
   - It isn't interlinked with the development of products and services.



قم بتلوين الدائرة باللون المناسب لمستواك.

Scanned with CamScanner

Accumulative Test

On Lessons 1, 2, 3 & 4

اختبار تراكمى على الدروس من الدرس الأول للدرس الرابع



1 Choose the correct answer from a, b, c or d.

1. ..... is the latest and most advanced version of a service or product.
   a. Augmented reality
   b. Cutting edge technology
   c. Artificial intelligence
   d. Assistive technology

2. Smart gloves that empower deaf people to translate their signs in real time to spoken or text output is considered ..... .
   a. augmented reality
   b. cutting edge technology
   c. assistive technology
   d. artificial intelligence

3. ..... receive support on how to write a resume and prepare for job interviews by using I-Stem platform.
   a. Hearing impaired people
   b. People of determination
   c. Blind and visually impaired people
   d. Normal people

4. ..... is a comprehensive term for computer applications that perform complex tasks that simulate the thinking and performance of the human element.
   a. AL
   b. IA
   c. AI
   d. LA

5. ..... helps students become active participants in learning and makes learning more memorable.
   a. RV
   b. AR
   c. VR
   d. RA

2 Put (✓) in front of the correct sentences and (✗) in front of the wrong one.

1. Mr. Sawhney creates applications that not allow blind and visually impaired people to access visual content. ( )
2. Devices can be connected without wiring by using radio waves (wireless or Wi-Fi). ( )
3. Cutting-edge technology helps people of determination with tasks they find challenging. ( )
4. Augmented reality from the examples of Cutting-edge technology. ( )

3 Read and correct words between brackets.

1. (Meeting needs) describes how people use and interact with a product and how they evaluate their experiences. (.....)
2. (Programing languages) is the newest and most advanced version of a service or product. (.....)
3. AI, AR, and VR are examples of (Assistive technology). (.....)

يمكنك المراجعة باستمرار (تراكمية) من خلال الصفحة السابقة.

Scanned with CamScanner

General Exercises
On Lesson 5



ممتاز جيد جدا
جيد غير جيد

▶ If you got 🔴 you need to revise the lesson again.
قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

1 Choose the correct answer from a, b, c or d.

1. ..... are some of the most used word processing commands.
   a. Copy
   b. Paste
   c. Cut
   d. All of them

2. 📖 ..... can help people to search internet websites based on the keyword and phrases.
   a. Search engines
   b. Database
   c. Library catalogs
   d. Google chrome

3. A library catalog is a/an ..... which includes all items owned by the library.
   a. heading
   b. engine
   c. database
   d. subject

4. ..... are collections of information which are typically stored in a computer system and can be accessed, for free through a school or library.
   a. Search engines
   b. Databases
   c. Library catalogs
   d. Google chrome

5. 📖 You can search for information from magazines and newspapers through the ..... .
   a. search engines
   b. databases
   c. library catalogs
   d. Google Chrome

6. The ..... is an example of a general database which covers many subjects
   a. Facebook
   b. Twitter
   c. EKB
   d. Instagram

7. The EKB results are credible and ..... .
   a. inaccurate
   b. narrow
   c. accurate
   d. unclear

8. 📖 To get useful search results and to narrow your search you can ..... .
   a. search by author name
   b. search title of the journal
   c. search by specifying dates
   d. all of them

9. 📖 A ..... is a database which includes all the items owned by a library.
   a. search engine
   b. database
   c. library catalog
   d. Google Chrome

Scanned with CamScanner

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. A library catalog is a database which includes all the items owned by a library. ( )
2. 🕮 There is only one way to get useful search results and to narrow your search you can. ( )
3. Search engine is a good place to search for information from magazines, and newspapers. ( )
4. Databases are collections of information which are typically stored in a computer system. ( )
5. When doing research via internet, use your evaluation skills to ensure the content you select is credible and accurate. ( )

3 Complete the sentences with the appropriate words in brackets.

(Databases – Search engine – paste – library catalogs)

1. ..... help people to search internet websites based on the key words and phrases.
2. ..... are a collection of information which are typically stored in a computer system and can be accessed, for free, through a school or library.
3. A ..... is a database which includes all the items owned by a library.
4. Copy, ... and cut are some of the most commonly used word processing commands.

4 Read and correct words between brackets.

1. 🕮 **(Databases)** help people to search internet websites based on the key words and phrases. (.....)
2. **(Search engine)** is a database which includes all the items owned by a library. (.....)
3. **(Search engine)** is a good place to search for information from journals, newspapers, and reference books. (.....)



قم بتلوين الدائرة باللون المناسب لمستواك.

Scanned with CamScanner

General Exercises

On Lesson 6



▸ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 أعد جيدًا قم بمراجعة الدرس مرة أخرى من الصفحة السابقة

1 Choose the correct answer from a, b, c or d.

1. ..... are types of mobile devices.
   a. Smartphones
   b. Tablets
   c. E-readers
   d. all of them

2. 🕮 ..... surf the web and check email, similar to PCs.
   a. Smartphones
   b. Tablets
   c. both (a) and (b)
   d. E-readers

3. ..... look like tablets but are mainly used for reading books.
   a. Smartphones
   b. Tablets
   c. PC computers
   d. E-readers

4. 🕮 .....often have high-quality cameras, speakers, and screen resolution.
   a. Smartphones
   b. Tablets
   c. both (a) and (b)
   d. E-readers

5. 🕮 These handheld computers (mobile devices) _____ .
   a. are portable
   b. can access the internet
   c. are held in landscape or portrait mode
   d. all of them

6. Scanning QR codes to access content-related videos, audios, and texts is one of the advantages of using mobile phones in _____ .
   a. writing
   b. education
   c. traveling
   d. playing games

7. 🕮 _____ installed on mobile devices is providing new solutions.
   a. Cutting-edge technology
   b. Gaming apps
   c. Assistive technology
   d. None of them

8. _____ can help a non-verbal students participate in a class.
   a. Whatsapp
   b. Facebook app
   c. Speech assistance app
   d. Telegram app

2 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. One of the disadvantages of the mobile is the difficulty of connecting to the internet. (
2. Many mobile devices function by touch. (

Scanned with CamScanner

3. Mobile devices offer higher engagement levels for students and extend learning beyond the classroom. ( )
4. Scanning QR codes to access content-related videos, audios, and texts isn't useful in education. ( )
5. Small screens can be a problem of reading texts and viewing complex graphics difficult. ( )
6. Without cutting-edge technology products, people of determination face challenges accessing education, healthcare, and employment. ( )
7. Assistive software on tablets and smartphones can't help people of determination. ( )

3 Complete the following sentences with the appropriate words in brackets.

(Assistive software - Tablets and smartphones - Mobile devices - Cutting-edge technology)

1. ..... offer higher engagement levels for students and extend learning beyond the classroom.
2. ..... surf the web and check email, similar to PCs.
3. ..... can help people of determination with educational services at home.
4. ..... on tablets and smartphones can help people of determination in the work place to manage time and tasks.

4 Read and correct words between brackets.

1. Small screens can make reading texts challenging and viewing complex graphics (easy). (.....)
2. (Assistive technology) installed on mobile devices is providing new solutions. For example, this technology can connect homebound individuals with their educational provider. (.....)
3. Scanning (AR codes) to access content-related video, audio, and texts is one of the advantages of using mobile phones in education. (.....)



قم بتلوين الدائرة باللون المناسب لمستواك.

Scanned with CamScanner

Accumulative Test

On Lessons 1, 2, 3, 4, 5 & 6

اختبار تراكمى على الدروس من الدرس الأول للدرس السادس



1 Choose the correct answer from a, b, c or d.

1. ..... receive support on how to write a resume and prepare for job interviews by using I-Stem platform.
   a. Hearing impaired people
   b. People of determination
   c. Blind and visually impaired people
   d. Normal people

2. The ..... are intelligent.
   a. Port
   b. Modem
   c. Router
   d. Switches

3. ..... is used to unlock your phone with facial recognition and to personalize social media content and search results.
   a. AI
   b. AR
   c. VR
   d. RA

4. There are different technology evaluation tools we can use such ..... .
   a. user experiences
   b. meeting needs
   c. both (a) and (b)
   d. none of them

5. The ..... is a good place to search for information from journals, newspapers and reference books.
   a. search engine
   b. database
   c. library catalog
   d. google chrome

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. Search engine is a good place to search for information from journals, newspapers and reference books. ( )
2. Many mobile devices function by touch. ( )
3. Artificial intelligence (AI), augmented reality (AR), and virtual (VR) are examples of assistive technology. ( )
4. Wireless networks use physical wiring and cables which are plugged into holes on devices. ( )
5. Library catalogs is a database which includes all the items owned by a library. ( )

3 Read and circle the correct one.

1. Cutting-edge technology installed on mobile devices is **(preventing - providing)** new solutions. It can provide people of determination with educational services at **(home - school)**.
2. Tablets, smartphone and **(smart TV - E-reader)** are types of mobile devices.

يمكنك المراجعة باستمرار (تراكمية) من خلال الصفحة السابقة.

Scanned with CamScanner

General Exercises

On Lesson 7



▸ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة

🔵 ممتاز 🟢 جيد جدا
🟡 جيد 🔴 غير جيد

1 Choose the correct answer from a, b, c or d.

1. A/An ..... is the software that manages computer's functions.
   a. operating system b. Windows Explorer
   c. e-readers d. Google Chrome

2. 🕮 ..... is the operating system functions.
   a. Runs a computer's software b. Runs a computer's hardware
   c. Open - source. d. both a and b

3. Most computers come pre-loaded with a/an ..... .
   a. operating system b. Windows explorer
   c. e-readers d. Google Chrome

4. 🕮 ..... computers run on macOS.
   a. Apple b. Ipad c. Android d. Windows

5. The most popular mobile OSs are ..... .
   a. Android b. Apple iOS c. both a and b d. Windows

6. ..... uses open-source software.
   a. Android b. Apple iOS c. Both (a) and (b) d. Windows

7. 🕮 ..... means a person can change and read the programming code.
   a. Open-source software b. Closed-source software
   c. Both a and b d. None of them

8. Apple iOS is ..... .
   a. open-source software b. closed-source software
   c. both a and b d. none of them

9. ..... is open-source software used for building robot applications.
   a. ROS b. RES c. OSR d. OCR

10. ..... refers to instructions to a computer that are given in code.
    a. ROS b. Programming Language
    c. Operating system d. Both a and c

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. Operating system is used for managing computer's functions. ( )
2. Android runs on mac devices. ( )
3. 🕮 An operating system includes accessible devices such as printer scanner. ( )

Scanned with CamScanner

4. Apple computers run on windows operating system. (
5. The most popular mobile OSs are Android and Apple iOS. (
6. 📖 Microsoft Windows runs the most computers worldwide. (
7. Apple computers run on macOS. (
8. Mobile devices have mobile operating systems. (
9. Windows is open-source software for building robot applications. (
10. HTML is commonly chosen for website creation. (

3 📖 Match from column (A) with the suitable in column (B).

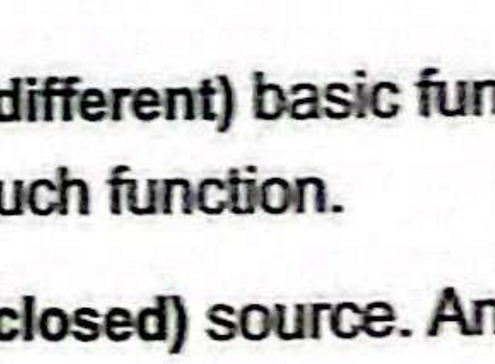
(A)	(B)
1. macOS	☐ a- The operating system used on Apple mobile devices.
2. iOS	☐ b- The operating system used on Microsoft PCs.
3. Android	☐ c- The operating system used on mobile devices other than Apple products.
4. Windows	☐ d- The operating system used on Apple PCs.

4 Read and write the name of the app or tool.

1. Software that manages a computer's functions, such as memory, drives, printers, and other devices. (_____
2. It is an open-source software used for building robot applications. (_____
3. The most popular mobile OSs and it uses open source software. (_____

5 Read and circle the correct one.

1. Both Android and iOS perform the **(same - different)** basic functions, such as messaging, web access, video chat and touch function.
2. Programing languages are usually **(open - closed)** source. Anyone can see, modify, or distribute the code.



قم بتلوين الدائرة باللون المناسب لمستواك.

Scanned with CamScanner

Monthly Assessements

التقييمات الشهرية



October Test

1 Choose the correct answer from a , b, c or d.

1. Mr. Kartik Sawhney uses ..... to empower people of determination.
   a. technology b. construction tools c. writing tools d. paint tools
2. Computer network connects computers with each other to ..... information
   a. remove b. share c. cut d. delete
3. ..... helps students become active participants in learning and makes learning more memorable.
   a. RV b. AR c. VR d. RA
4. Screen magnification software, hearing aids, and programs that turn speech to text and text to speech are examples of ..... .
   a. augmented reality b. cutting edge technology
   c. assistive technology d. artificial intelligence
5. When doing research via internet, use your evaluation skills to ensure the content you select is ..... .
   a. credible b. accurate c. unbiased d. all of them
6. ..... look like tablets but are mainly used for reading books.
   a. Smartphones b. Tablets c. PC computer d. E-readers
7. .....runs a computer's software and hardware and acts as a translator.
   a. Operating system b. Windows Explorer
   c. E-readers d. Google Chrome
8. HTML describes the structure of a web page and consists of a series of elements such as ..... .
   a. headings b. paragraphs c. links d. all of them

2 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. People of determination do not receive support on how to write resumes and prepare for job interviews. ( )
2. Switches help to make connections easier and faster. ( )
3. Artificial intelligence (AI) is the ability of a machine such, as a computer, to think and learn. ( )
4. EKB is an example of database which covers many subjects. ( )
5. One of the disadvantages of the mobile is the difficulty of connecting to the internet. ( )
6. Small screens can make reading texts challenging and viewing complex graphics difficult. ( )
7. Operating system is the software that manages a computer's functions, such as memory, drives, printers, and other devices. ( )

Scanned with CamScanner

Lesson 2

- **Networks:** They are groups of devices or things that are connected to each other for a common purpose.
- **Types of networks:**
  1. Wired networks: They use cables that are plugged into ports.
  2. Wireless networks: They connect devices without wiring using Wi-Fi.
- **Network devices:**
  1. MODEM:
     a. Connects a local area network (LAN) to the internet.
     b. Converts (transforms) the signal from the ISP into a digital signal.
     c. Connects users to the internet
  2. SWITCHES:
     - They send data to a specific device over a network, so it makes connections easier and faster.
     - Switches are intelligent devices.



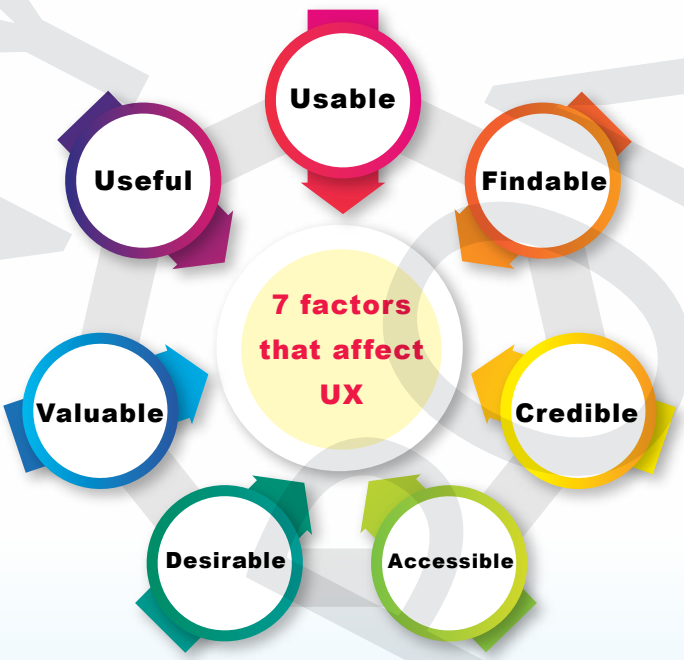
- **Artificial Intelligence (AI):**
  - A comprehensive term for computer applications that perform complex tasks that simulate the thinking and performance of the human element.
  - AI also works to imitate sounds when provided with the tone of voice of an actual human being.
- **Examples:**
  - Writing an article on a topic.
  - Inquiring about historical events and their sequence.

Lesson 3

- **Virtual reality:** It is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
- To experience VR, users wear a VR headset that blocks out the real world and immerse the user in another world.
- **Examples on VR:**
  1. It can take you to a museum thousands of miles away or to a historical site.
  2. In classrooms, VR allows close study of enlarged insects and atoms.
- **Augmented reality (AR):** It combines the real world with a virtual world by adding images using computers.
  - It shows a 3-D model of what the real world looks like.
  - AR helps students become active participants in learning and makes learning more memorable.
- **Examples on AR:**
  1. In math class, students can project 3-D images like cubes or cylinders onto a flat surface using their smartphones
  2. Visually impaired people can use AR to see their family members up close.
- **Artificial intelligence (AI):** It is the ability of a computer, to think, learn, and deduce.
  - Computer learns by analyzing the available examples.
- **Example on AI:**
  - It predicts the word you will write from words you have written previously.
  - AI is used to unlock your phone with facial recognition.
  - Disabled individuals can use virtual assistants powered by AI to accomplish everyday tasks, such as making phone calls and navigating their computer.

Lesson 4

- **Cutting-edge technology:** Is the latest and most advanced version of a service or product.
  - AI, AR, and VR are Cutting-edge technologies.
- **Assistive technology** helps people of determination.
- **Examples of Assistive technology:**
  1. Screen magnification software.
  2. Hearing aids
  3. Programs that turns speech-to-text and text-to-speech.
- **Smartgloves:** They empower deaf people to translate their signs in real time to spoken or text output.
- **User experiences:** It is how to use the product, interact with it, and evaluate their experiences.
  - It can be positive or negative.
- **User experience** is interlinked with the development of products and services.
- The goal of cutting-edge assistive technology is to improve someone's independence and to be included in society.



Lesson 5

- Copy, paste, and cut are some of the most commonly used word processing commands
- **Search engines** help people search Internet websites based on the keywords and phrases.
- They are user-friendly, very fast, and often give many results.
- **Databases**: They are collections of information which are typically stored in a computer system and can be accessed for free through a school.
- **A database** is a good place to search for information from journals, newspapers, and reference books.
- **EKB** is an example of a general database, the results will be credible and accurate.
- **Library catalog**: It is a database which includes all the items owned by a library. **such as**, the catalog of the Library of Alexandria.
- When you search any database:
  1. Use a keyword search.
  2. Review the results.
  3. You can limit a search by using fields like author, journal title and dates.

Lesson 7

- **Operating system (OS)**: It is the software that manages a computer's functions, such as memory, drives, printers, and other devices.
- OS manages accessible devices, such as screen readers and magnifiers.
- OS runs a computer's software and hardware.
- OS acts as a translator; it translates user communication to computer languages.
- Most computers come pre-loaded with an operating system.

Computer operating systems:

Microsoft Windows	MacOS
• On most computers worldwide.	• It runs on Apple computers.

Mobile operating systems:

Android	Apple iOS
• Used on open-source software.	• Used on the iPhone and iPad. • Closed-source operating system.

- **Open-source software:** means a person can change and read the programming code.
- **Closed-source software:** it can't be seen or changed by the public.
- Both Android and iOS perform the same basic functions, such as messaging, web access, video chat and touch function

Cutting-edge operating systems:

1. **The Robot Operating System (ROS)**: is an open-source software for building robot applications.
2. Operating systems powering self-driving cars

- **Programming languages**: Instructions to a computer are given in codes.
- Programming languages have evolved from simple machine language (binary) to high-level human-like languages.
- Programming languages are usually open-source.
- HTML is used to create website.
- HTML is easy to learn, to make change and compatible with all the major web browsers.



Exercises on Lesson 2

1 Choose the correct answer:

1 ..... are group of people or things that are connected to each other.
a. Modems b. Networks c. Routers

2 ..... perform(s) complex tasks that simulate the thinking and performance of people.
a. Artificial intelligence b. Holograms c. Switches

3 Computer networks are used to ..... information and data.
a. create b. delete c. share

4 ..... networks connect devices using Wi-Fi.
a. Wired b. Wireless c. Both of them

5 Wired networks connect devices using ..... .
a. Wi-Fi b. radio waves c. cables

6 ..... is a device that connects a local area network (LAN) to the internet.
a. Artificial intelligence b. Modem c. Server

7 AI is an abbreviation for ..... .
a. Automated Intelligence b. Advanced Innovation
c. Artificial Intelligence

8 ..... are intelligent devices that pass information to a specific device over a network.
a. Switches b. Hubs c. Modems

9 A ..... converts the signal from the internet service provider (ISP) into a digital signal.
a. modem b. router c. switch

10 ..... can imitate sounds when provided with the tone of voice of an actual human being.
a. A modem b. Artificial intelligence c. Switches

2 Put (✓) or (✗):

1. Networks are groups of people or things that are connected to each other ( )
2. Wireless networks connect devices with physical wiring and cables. ( )
3. There is only one way to connect computers to a network, using cables. ( )
4. Computers don't need network connection devices to transfer data. ( )
5. Artificial intelligence can imitate the sounds of people. ( )
6. Switches are intelligent devices. ( )
7. Modem is a device that converts the signal from ISP into a digital signal. ( )
8. A modem sends data to a specific device on the network. ( )
9. Wired networks use physical cables which are plugged into ports. ( )
10. Switches direct data to specific devices, making connections easier and faster. ( )
11. We can connect devices to a network without wiring. ( )
12. A router works as a gateway that connects a computer to an internet service provider (ISP). ( )

3 Complete the following sentences using the words between the brackets:

(intelligent - router - specific - Wired - AI)

1. ..... networks connect devices using cables.
2. Switches send data to a(an) ..... device on the network.
3. A ..... works as a gateway to connect devices to the internet.
4. Switches are ..... devices.
5. ..... can imitate sounds of people by providing a tone of actual people.

4 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 AI	a. connects a modem to different networks.
2 A router	b. are groups of people or things that are connected together.
3 A switch	c. is a hole on devices where cables are plugged in.
4 Networks	d. computer applications that simulate the thinking and performance of people.
5 A port	e. is an intelligent device that send data to a specific device on the network.

1 ..... 2 ..... 3 ..... 4 ..... 5 .....



Exercises on Lesson 3

1 Choose the correct answer:

1. ..... combines the real world with a virtual world by adding computer-generated images.
   a. Virtual reality b. Augmented reality c. Assistive technology
2. ..... is a simulated 3D environment that allows users to explore and interact with the surroundings as if they were in reality.
   a. Virtual reality b. Artificial intelligence c. Assistive technology
3. ..... is the ability of a machine such, as a computer, to think and learn.
   a. Virtual reality b. Augmented reality c. Artificial Intelligence
4. Visually impaired people can use ..... to see their family members up close.
   a. artificial intelligence b. augmented reality c. hearing aids
5. To experience virtual reality, users often wear ..... .
   a. 3D glasses b. VR headsets c. AR headsets
6. Augmented reality can be done using the ..... of your smartphone.
   a. microphone b. speaker c. camera
7. A VR headset blocks out the ..... world and provides 360-degree views.
   a. real b. virtual c. both of the previous
8. Facial recognition is a feature used to unlock your phone using ..... .
   a. artificial intelligence b. virtual reality c. augmented reality
9. Augmented reality shows a/an ..... model of what looks like the real world.
   a. 2D b. 3D c. invisible

10 A cardboard VR headset is a/an ..... way to experience VR using your smartphone.

a. expensive b. inexpensive c. difficult

11 Students can use a ..... app to point at the night sky and see a digital layer of labeled stars, planets, and nebulae using AR.

a. Google Maps b. Vlaby c. Sky Map

12 A computer learns by ..... the provided examples.

a. analyzing b. storing c. saving

13 Predicting the next word you will type using your smartphone is an example of ..... .

a. virtual reality b. augmented reality c. artificial intelligence

14 Disabled people can use virtual assistants powered by ..... to do everyday tasks, such as navigating their computer.

a. artificial intelligence b. augmented reality c. virtual reality

2 Put (✓) or (✗):

1. A computer learns by analyzing the provided examples. ( )
2. The Uber app uses artificial intelligence to match riders with available drivers. ( )
3. Augmented reality, virtual reality, and artificial intelligence (AI) are considered futuristic technologies. ( )
4. Futuristic technologies can't improve the lives of people of determination. ( )
5. Artificial intelligence can run in the background of programs to filter spam mail. ( )
6. There is no difference between augmented reality and virtual reality. ( )
7. Virtual reality is a simulated 2D environment that allows users to interact with the surroundings. ( )
8. A VR headset blocks out the real world, and provides 360-degree views. ( )

9 AR combines the real and virtual worlds to show 3D models that look real. ( )

10 AI is used to unlock your phone with facial recognition. ( )

11 Augmented reality helps students become active participants in learning. ( )

12 The ability of a machine, such as a computer, to think and learn is called AR. ( )

13 A cardboard VR headset is an expensive way to experience virtual reality. ( )

14 To experience virtual reality, users often wear a AR headset. ( )

15 Virtual reality allows you to explore museums from all over the world without leaving your home. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 VR	a. includes AI, AR and VR.
2 AR	b. is the ability of a machine to think and learn.
3 AI	c. can be used to do everyday tasks, such as making phone calls.
4 Virtual assistants	d. is a simulated 3D environment that allows users to interact with the surroundings.
5 Futuristic technology	e. adds computer-generated images to show a 3D model of what looks like the real world.

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

Exercises on Lesson 4

1 Choose the correct answer:

1. The newest and most advanced version of a service or product is called ..... technology.
   a. assistive b. cutting-edge c. virtual
2. ..... technology helps people of determination with tasks they find challenging.
   a. Assistive b. Cutting-edge c. Virtual
3. Screen magnification software and hearing aids are types of ..... technology.
   a. futuristic b. cutting-edge c. assistive
4. ..... describe how people interact with a product, and how they evaluate their experiences.
   a. Futuristic technology b. User experience c. Virtual reality
5. Artificial intelligence, augmented reality, and virtual reality are examples of ..... technology.
   a. assistive b. cutting-edge c. Microsoft
6. ..... empower deaf people to translate their signs to spoken or text output.
   a. Hearing aids b. Smart glasses c. Smartgloves
7. If the product is practical and meets the customer's needs, the user experience will be ..... .
   a. positive b. negative c. neutral
8. Complicated and hard-to-use products result in ..... user experiences.
   a. positive b. negative c. neutral

2 Put (✓) or (✗):

1. The newest and most advanced version of smartphones is called assistive technology. ( )
2. Smartgloves are a type of assistive technology. ( )

3 Artificial intelligence is one of the cutting-edge technologies. ( )

4 Programs that convert speech to text and vice versa are a type of assistive technology. ( )

5 User experiences describe how people use a product and evaluate their experiences. ( )

6 A user experience is always positive. ( )

7 Credibility and accessibility are factors that affect user experiences. ( )

8 Smartgloves don't empower people of determination. ( )

9 The development of products and services doesn't affect the user experience. ( )

10 One of the goals of assistive technology is to improve someone's independence. ( )

11 The best assistive technology for a person depends on their individual abilities and challenges. ( )

12 Assistive technology helps people of determination to be included in the society. ( )

13 If the product is pleasant to look at and interact with, this makes the user experience negative. ( )

3 Complete the following sentences using the words between the brackets:

(Cutting-edge technology – User experiences – Smartgloves – Assistive technology – Hearing aids)

1 ..... translate sign language to speech or text.

2 ..... helps people of determination with tasks they find challenging.

3 ..... is/are how people feel about using a product.

4 ..... is/are the latest and most advanced technology.

5 ..... is/are a type of assistive technology that can help people with hearing troubles.

Exercises on Lesson 5

1 Choose the correct answer:

1 EKB is a ..... source of information.

a. credible b. unreliable c. biased

2 You can use ..... to search on the Internet using keywords and phrases.

a. search engines b. programing languages

c. books

3 ..... is/are collections of information that are typically stored on a computer system.

a. Search results b. Databases c. Software

4 The shortcut used in Windows to paste a text or image is ..... .

a. "Cmd + V" b. "Ctrl + V" c. "Ctrl + P"

5 The keyboard shortcut "Cmd + X" is used to ..... a text or an image in macOS.

a. copy b. cut c. paste

6 You can use the shortcut "Ctrl + C" to ..... a text or an image in Windows.

a. copy b. cut c. paste

7 When conducting a digital search, make sure the information you get is ..... .

a. credible b. biased c. unreliable

8 ..... is a database which includes all the items owned by a library.

a. EKB b. A digital library c. A library catalog

9 The ..... database covers only one subject, such as business or law.

a. general b. subject c. electronic

10 Search engines help people search online based on ..... .
a. keywords b. phrases c. both of the previous

11 EKB is an example of a ..... database which covers many subjects.
a. subject b. general c. network

2 Put (✓) or (✗):

1 There is only one type of database. ( )
2 EKB is an example of a subject database. ( )
3 Databases can be accessed for free through a school or library. ( )
4 It is not important to credit the source of information. ( )
5 All digital search tools give similar results. ( )
6 It is recommended to use a keyword to conduct a database search. ( )
7 A library catalog search doesn't include recently published books. ( )
8 You can press "Ctrl + C" to cut a text or an image in Windows. ( )
9 The shortcut "Cmd + V" is used to paste a text or an image in macOS. ( )
10 EKB is an inaccurate source of information. ( )
11 Bing is a reliable database. ( )
12 Some Google search results may be biased. ( )
13 Limit your search to the last few years to get up-to-date results from a database. ( )
14 Be sure the search result you select is credible and accurate. ( )
15 Search engines are user-friendly, very fast, and often give many results. ( )
16 A database is a good place to search for information from journals, newspapers, and books. ( )
17 The shortcut "Cmd + X" is used to cut a text or an image in Windows. ( )
18 The type of results you need will help you choose which search tool to use. ( )

19 General databases are designed to provide information on a specific topic. ( )

20 You can use other database fields, such as author or journal title, to narrow a search. ( )

3 Complete the following sentences using the words between the brackets:

(library catalog – cut – keywords – subject database – EKB)

1 The shortcut "Ctrl + X" is used to ..... a text in Windows.

2 ..... is an example of a general database which covers many subjects.

3 It is preferable to use ..... to search for information on a database.

4 A ..... covers only one subject and any results will be specific to your topic.

5 A ..... is a database which includes all the items owned by a library.



Exercises on Lesson 7

1 Choose the correct answer:

1. The ..... is the software that manages a computer's functions.
   a. programming language b. operating system c. Excel
2. The most popular operating system for computers worldwide is ..... .
   a. Android b. macOS c. Windows
3. The most popular operating system for mobiles worldwide is ..... .
   a. Windows b. Android c. Apple iOS
4. The ..... runs a computer's software and hardware.
   a. operating system b. CPU c. hardware
5. Instructions for a computer are given in the form of a/an ..... .
   a. word file b. code c. audio
6. The ..... allows a user to communicate with the computer without knowing computer languages.
   a. operating system b. hardware c. compiler
7. ..... is the mobile operating system that runs on iPhone.
   a. Android b. iOS c. Linux
8. ..... is an operating system for Apple computers.
   a. Windows b. macOS c. iOS
9. ..... manages accessible devices, such as screen readers and magnifiers.
   a. Windows b. Word c. The hardware
10. MacOS is an operating system developed by ..... .
    a. Microsoft b. Apple c. Google
11. Windows is an operating system developed by ..... .
    a. Microsoft b. Apple c. Google

12 There are many operating systems for computers, such as Windows and ..... .

a. iOS b. Android c. Linux

13 ..... is an open-source operating system for mobile devices.

a. Android b. iOS c. macOS

14 ..... is a closed-source operating system for mobile devices.

a. Android b. Apple iOS c. Windows

15 ..... software means that the programming code can be read or changed by anyone.

a. Open-source b. Closed-source c. Both of the previous

16 ..... is an open-source software for building robot applications.

a. iOS b. ROS c. Android

17 Programming languages have evolved from ..... to high-level languages.

a. machine languages b. very high languages c. mild languages

18 One of the functions of mobile operating systems is ..... .

a. messaging b. touch c. both of the previous

2 Put (✓) or (✗):

1 Most computers come preloaded with an operating system. ( )

2 Accessing the web is not one of the basic functions of operating systems. ( )

3 Android is an open-source operating system. ( )

4 Linux is the most popular operating system all over the world. ( )

5 HTML is commonly used to create web pages. ( )

6 Operating systems manage software only. ( )

7 The operating systems Android and iOS perform the same basic functions. ( )

8 Windows is open-source software that can be edited by anyone. ( )

9 Programmers choose a language based on the purpose of the program.

10 Windows is an operating system used on 15% of computers. ( )

11 Apple iOS is closed-source software which cannot be changed by the public. ( )

12 The similarities between programming languages make them easy to learn. ( )

13 Self-driving cars don't need operating systems to perform. ( )

14 Programming languages are usually closed sources. ( )

15 Closed-source software means the code can be read and changed by anyone. ( )

16 HTML isn't compatible with all the major web browsers. ( )

17 There are multiple operating systems powering self-driving cars. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 MacOS	a. means that anyone can view and modify the software.
2 iOS	b. is the most popular mobile operating system worldwide.
3 The operating system	c. runs on iPhone and is used on 27% of the world market.
4 Open-source software	d. is an operating system for Apple computers.
5 Android	e. is the software that manages a computer's functions.

1 ..... 2 ..... 3 ..... 4 ..... 5 .....

ICT Grade 6

1-Choose the correct answer:

1. Mr. ……is a National Geographic Explorer and a computer expert
(Kartik Sawhney- Albert Lin- Sani)

2. He earned his Bachelor's and Master's degrees in ……at Stanford University, California, in the USA
(science-Computer Science- HTML code)

3. His app converts ……into audio frequencies
(graphs-word-Excel)

4. The ……. platform also includes mentorship and employment opportunities for people of determination.
(website - I-Stem – links)

5. People of determination can get help with …….writing

6. To assist the visually impaired. the Taha Hussein Library in the …….
(New Bibliotheca Alexandrina-Cairo – Alexandrina)

7. the ……..has scanners with special software that converts printed text into audio
(EKB-Taha Hussein Library-Cairo Library)

8. The Miracle Child" ……..who is a talented computer programmer
(Mohamed salah - Rania Saleh - Reem Saleh)

9. there are apps that use speech to text technology these app is called ……
(Roger voice- Access Now- be my eyes)

10. ……..it provides information and Resources related to accessibility for people with disability
(Roger voice- Access Now- be my eyes)

11. ……..it's a website and mobile application that aims to connect blind or visual

and very with cited volunteers throw with you calls
(Roger voice- Access Now- be my eyes)

12. ……..are groups of devices all things that are connected to each other for a common Purpose
(Networks- Modem- switches)
13. ……..it's a device that connect a local area network land to the internet
(Networks- Modem- switches)

14. modem it converts the signal from the internet service provider ISP
(Networks- Modem- switches)

15. ……..they can send that to a specific device over a network which helps to make connections easier and faster ”
(Networks- Modem- switches)

16. ……..it's a comprehensive term for computer applications the third form complex tasks

(augmented reality -virtual reality -Artificial intelligence)

17. AI works to imitate sounds when provided with the tone of voice of an actual human being
(augmented reality -virtual reality -Artificial intelligence)

18. ……..is a virtual 3D environment that allow users to export and interact with the surrounding
(augmented reality -virtual reality -Artificial intelligence)

19. to experience VR users often wear a ……. that block out the real world
(VR headset- Android- printers)

20. ……. combines the real world with a virtual world by adding images using computers this will show a 3D model
(augmented reality -virtual reality -Artificial intelligence)

21. artificial intelligence AI is the ability of the computer to think learn and decide
(augmented reality -virtual reality -Artificial intelligence)

22. ……..is used to unlock your phone with facial recognition
(augmented reality -virtual reality -Artificial intelligence)

23. ……..to accomplish everyday tasks such as making phone calls
(augmented reality -virtual reality -Artificial intelligence)

24. ……..is benefited as the latest and most advanced version of a service or products
(cutting edge technology- Assistive technology- user experiences)

25. people of the determination such as sensitive technology smart gloves that empower deaf people ……..
(cutting edge technology- Assistive technology- user experiences)

26. ……It describes how to use the product and interact with it and how to evaluate the experience
(cutting edge technology- Assistive technology- user experiences)

27. ……. must interlinked with the development of products and services
(cutting edge technology- meeting needs - user experiences)

28. cutting Edge ……is incredibly varied but the goal is the same
(assistive technology - meeting needs - user experiences)

29. copy paste and cut are some of the most commonly used ……commands
(assistive technology - meeting needs - word processing)

30. ……they are a collection of information which are typically stored in a computer system

(assistive technology - database - library catalog)

31. you can search for information from magazines and newspaper through the……
(search engine - database - library catalog)

32. example of a general Database
(search engine - The EKB - library catalog)

33. ……..is a database which includes all the items owned by a library
(search engine - database - library catalog)

34. you can use other database fields to Narrow a search such as ……
(journal title – author- both of them)

35. the ……. covers many subjects the results will be credible and accurate
(search engine - The EKB - library catalog)

36. limiting a search Range by specific dates will help you find the most ……..research

(up to date-delete- make)

37. …….is a software that manages a computer's functions
(operating system OS- Robot operating system- Android)

38. ……. Windows is one most computers worldwide
(Apple- Microsoft - Android)

39. Apple computers run on ……
(Apple- Microsoft - Mac OS)

40. the most popular mobile OS are …….
(Android - Microsoft - Mac OS)

41. ……which is used on the iPhone and iPad
(ROS -Android -apples iOS)

42. ……. uses open-Source software which means a person can change
(ROS -Android -apples iOS)

43. the …….. is an open-Source software used for building robot applications
(binary -ROS- HTML)

44. there are multiple …….. powering self-driving cars
(operating system OS- Robot operating system- Android)

45. …….. including those developed by Apple CarPlay and Windows Automotive
(operating system OS- self driving cars - Android)

46. ……to create website web pages
(iOS-EKB- HTML)

47. programming language have evolved from simple machine language(……) to high level human-like language
(binary -HTML -iOS)

48. ……..is commonly choosing for websites creation because it's easy to learn and to use

(binary -HTML -iOS)

49. it describes the structure of web page and consists of a series of elements
(binary -HTML -iOS)

50. it's at the top tag of the page
(large heading -image -subheadings)
51. They make the text easy to scan so a reader can find the information they want
(large heading -image -subheadings)

52. ……usually has more than one sentence
(large heading -paragraphs-subheadings)

2-Put (T) /(F):

1. Mr. Sawhney creates applications that provide access to visual content to the blind and visually impaired. ( )
2. switches are intelligent. ( )
3. there are one operating system powering self-driving cars ( )
4. both Android and iOS perform the same basic function( )

5. Apple is one most computer worldwide ( )
6. apples iOS which is used on the iPhone and iPad ( )
7. computer language often shares similarities, so once you learn one it is easier to learn others( )
8. Apple iOS is open-Source it can't be seen or changed by the public ( )
9. Hyper Text Markup Language (HTML) to create website web pages ( )
10. meeting needs interlinked with the development of products and services ( )
11. use your evaluations skills to ensure the content you select is credible and agreed accurate ( )
12. example of a general Database(The OS) ( )
13. switches they can send that to a specific device over a network( )
14. programming language are usually open source ( )
15. web browsers read HTML documents and display the content according to the HTML tags have three main parts ( )

16. HTML elements break up with beach to make them easier to scan, read and navigate ( )
17. Image usually has more than one sentence ( )
18. to experience AR users often wear a VR headset that block out the real world ( )
19. Switches it converts the signal from the internet service provider ISP which transform into a digital signal ( )
20. Text broken up into paragraphs makes it easy for the reader to scan for the information they want ( )
21. limiting a search Range by specific dates will help you find the most up-to-date research( )
22. a search engines search may include recently published the books including e-books ( )
23. virtual reality VR is a virtual 3D environment that allow users to export and interact with the surrounding ( )
24. modem it's a device that connect a local area network ( )

25. artificial intelligence a robot vacuum uses AI to avoid furniture and stairs ( )

ICT Grade 6

1-Choose the correct answer:

53. Mr. ……..is a National Geographic Explorer and a computer expert
(Kartik Sawhney- Albert Lin- Sani)

54. He earned his Bachelor's and Master's degrees in ……..at Stanford University, California, in the USA
(science-Computer Science- HTML code)

55. His app converts ……..into audio frequencies
(graphs-word-Excel)

56. The ……. platform also includes mentorship and employment opportunities for people of determination.
(website - I-Stem – links)

57. People of determination can get help with ……..writing
(resume- website- links)

58. To assist the visually impaired. the Taha Hussein Library in the …….
(New Bibliotheca Alexandrina-Cairo – Alexandrina)

59. the ……..has scanners with special software that converts printed text into audio
(EKB-Taha Hussein Library-Cairo Library)

60. The Miracle Child" ……..who is a talented computer programmer
(Mohamed salah - Rania Saleh - Reem Saleh)

61. there are apps that use speech to text technology these app is called ……
(Roger voice- Access Now- be my eyes)

62. ……..it provides information and Resources related to accessibility for people with disability
(Roger voice- Access Now- be my eyes)

63. ……..it's a website and mobile application that aims to connect blind or visual

and very with cited volunteers throw with you calls
(Roger voice- Access Now- be my eyes)

64. ……..are groups of devices all things that are connected to each other for a common Purpose
(Networks- Modem- switches)

65. ……..it's a device that connect a local area network land to the internet
(Networks- Modem- switches)

66. modem it converts the signal from the internet service provider ISP
(Networks- Modem- switches)

67. ……..they can send that to a specific device over a network which helps to make connections easier and faster ”
(Networks- Modem- switches)

68. ……..it's a comprehensive term for computer applications the third form complex tasks

(augmented reality -virtual reality -Artificial intelligence)

69. AI works to imitate sounds when provided with the tone of voice of an actual human being
(augmented reality -virtual reality -Artificial intelligence)

70. ……..is a virtual 3D environment that allow users to export and interact with the surrounding
(augmented reality -virtual reality -Artificial intelligence)

71. to experience VR users often wear a ……. that block out the real world
(VR headset- Android- printers)

72. …… combines the real world with a virtual world by adding images using computers this will show a 3D model
(augmented reality -virtual reality -Artificial intelligence)

73. artificial intelligence AI is the ability of the computer to think learn and decide
(augmented reality -virtual reality -Artificial intelligence)

74. ……..is used to unlock your phone with facial recognition
(augmented reality -virtual reality -Artificial intelligence)

75. ……..to accomplish everyday tasks such as making phone calls
(augmented reality -virtual reality -Artificial intelligence)

76. ……..is benefited as the latest and most advanced version of a service or products
(cutting edge technology- Assistive technology- user experiences)

77. people of the determination such as sensitive technology smart gloves that empower deaf people ……..
(cutting edge technology- Assistive technology- user experiences)

78. ……It describes how to use the product and interact with it and how to evaluate the experience
(cutting edge technology- Assistive technology- user experiences)

79. ……. must interlinked with the development of products and services
(cutting edge technology- meeting needs - user experiences)

80. cutting Edge ……is incredibly varied but the goal is the same
(assistive technology - meeting needs - user experiences)

81. copy paste and cut are some of the most commonly used ……commands
(assistive technology - meeting needs - word processing)

82. ……they are a collection of information which are typically stored in a computer system

(assistive technology - database - library catalog)

83. you can search for information from magazines and newspaper through the……
(search engine - database - library catalog)

84. example of a general Database
(search engine - The EKB - library catalog)

85. ……..is a database which includes all the items owned by a library
(search engine - database - library catalog)

86. you can use other database fields to Narrow a search such as ……
(journal title – author- both of them)

87. the ……. covers many subjects the results will be credible and accurate
(search engine - The EKB - library catalog)

88. limiting a search Range by specific dates will help you find the most ……..research

(up to date-delete- make)

89. ……..is a software that manages a computer's functions
(operating system OS- Robot operating system- Android)

90. …….. Windows is one most computers worldwide
(Apple- Microsoft - Android)

91. Apple computers run on ……
(Apple- Microsoft - Mac OS)

92. the most popular mobile OS are …….
(Android - Microsoft - Mac OS)

93. ……which is used on the iPhone and iPad
(ROS -Android -apples iOS)

94. …… uses open-Source software which means a person can change
(ROS -Android -apples iOS)

95. the ……. is an open-Source software used for building robot applications
(binary -ROS- HTML)

96. there are multiple ……. powering self-driving cars
(operating system OS- Robot operating system- Android)

97. ……. including those developed by Apple CarPlay and Windows Automotive
(operating system OS- self driving cars - Android)

98. ……to create website web pages
(iOS-EKB- HTML)

99. programming language have evolved from simple machine language(……) to high level human-like language
(binary -HTML -iOS)

100. ……is commonly choosing for websites creation because it's easy to learn and to use

يرجى مراعاة حقوق صاحب المحتوى عند النشر

(binary -HTML -iOS)

101. it describes the structure of web page and consists of a series of elements
(binary -HTML -iOS)

102. it's at the top tag of the page
(large heading -image -subheadings)

103. They make the text easy to scan so a reader can find the information they want
(large heading -image -subheadings)

104. ……usually has more than one sentence
(large heading -paragraphs-subheadings)

105.

106.

2-Put (T) /(F):

26. Mr. Sawhney creates applications that provide access to visual content to the blind and visually impaired. (T)
27. switches are intelligent. (T)
28. there are one operating system powering self- driving cars (F)
29. both Android and iOS perform the same basic function(T)
30. Apple is one most computer worldwide (F)
31. apples iOS which is used on the iPhone and iPad (T)
32. computer language often shares similarities, so once you learn one it is easier to learn others(T)
33. Apple iOS is open-Source it can't be seen or changed by the public (F)
34. Hyper Text Markup Language (HTML) to create website web pages (T)
35. meeting needs interlinked with the development of products and services (T)
36. use your evaluations skills to ensure the content you select is credible and agreed accurate (T)

يرجى مراعاة حقوق صاحب المحتوى عند النشر

37. example of a general Database(The OS) (F)
38. switches they can send that to a specific device over a network(T)
39. programming language are usually open source (T)
40. web browsers read HTML documents and display the content according to the HTML tags have three main parts (T)
41. HTML elements break up with beach to make them easier to scan, read and navigate (T)
42. Image usually has more than one sentence (F)
43. to experience AR users often wear a VR headset that block out the real world (F)
44. Switches it converts the signal from the internet service provider ISP which transform into a digital signal (f)
45. Text broken up into paragraphs makes it easy for the reader to scan for the information they want (T)
46. limiting a search Range by specific dates will help you find the most up-to-date research(T)

47. a search engines search may include recently published the books including e-books (F)
48. virtual reality VR is a virtual 3D environment that allow users to export and interact with the surrounding (T)
49. modem it's a device that connect a local area network (T)
50. artificial intelligence a robot vacuum uses AI to avoid furniture and stairs (T)